

WHAT IS CLAIMED IS:

1. A method of making a wire comprising the steps of:
drilling a plurality of apertures in a parent material;
filling at least one said aperture with a filament; and
repeatedly drawing and thermally-treating said parent material with said filaments embedded therein to form said wire.
2. The method of Claim 1, wherein said filaments comprise metallic materials.
3. The method of Claim 1, further comprising the step of covering said wire with a biocompatible finish coating.
4. The method of Claim 1, further comprising, prior to said drilling step, the step of encapsulating said parent material with a coating.
5. A method of making a wire, comprising the steps of:
drilling a plurality of apertures in a parent material;
filling at least one said aperture with a filament;
repeatedly drawing and thermally-treating said parent material with said filaments embedded therein to form said wire; and
opening said apertures to the outside circumference of said wire.
6. The method of Claim 5, wherein said filaments comprise metallic materials.
7. The method of Claim 5, further comprising the step of covering said wire with a biocompatible finish coating.
8. The method of Claim 5, further comprising, prior to said drilling step, the step of encapsulating said parent material with a coating.
9. A method of making a wire, comprising the steps of:
drilling a plurality of apertures in a parent material;
filling at least one said aperture with a filament;
repeatedly drawing and thermally-treating said parent material with said filaments embedded therein to form said wire; and
removing said filament from said parent material to form a cavity within said wire.
10. The method of Claim 9, wherein said filaments comprise metallic materials.
11. The method of Claim 9, further comprising the step of covering said wire with a biocompatible finish coating.
12. The method of Claim 9, further comprising, prior to said drilling step, the step of encapsulating said parent material with a coating.

13. A method of making a wire, comprising the steps of:
drilling a plurality of apertures in a parent material;
filling said apertures with filaments;
repeatedly drawing and thermally-treating said parent material with said filaments embedded therein to form said wire;
removing said filaments from said parent material to form cavities within said wire;
and
finishing said wire to open said cavities to the outside circumference of said wire.
14. The method of Claim 13, wherein said filaments comprise metallic materials.
15. The method of Claim 13, further comprising the step of covering said wire with a biocompatible finish coating.
16. The method of Claim 13, further comprising, prior to said drilling step, the step of encapsulating said parent material with a coating.
17. A method of making a wire, comprising the steps of:
drilling a plurality of apertures in a parent material;
filling said apertures with filaments;
repeatedly drawing and thermally-treating said parent material with said filaments embedded therein to form said wire;
removing said filaments from said parent material to form cavities within said wire;
finishing said wire to provide access to each of said cavities from the outside of said wire; and
filling said cavities with a filler material.
18. The method of Claim 17 wherein said filaments comprise metallic materials.
19. The method of Claim 17, further comprising the step of covering said wire with a biocompatible finish coating of metal oxide, ceramic oxide, particulate carrier, or polymer.
20. The method of Claim 17, further comprising, prior to said drilling step, the step of encapsulating said parent material with a coating.
21. The method of Claim 17, wherein said filler material comprises a therapeutic substance.
22. The method of Claim 21, further comprising the step of covering said wire with a biocompatible finish coating.

23. The method of Claim 17, wherein said filler material comprises metallic material.